

■ Experiments are being conducted at Kansas State College to determine the usefulness of meal made from *Elodea canadensis*, which grows in fresh-water lakes and ponds, in pig-fattening rations. The *E. canadensis* meal was compared with alfalfa meal in a test with 16 weanling pigs. The pigs that were fed *E. canadensis* gained an average of 1.75 lb/day, and those fed alfalfa meal gained 1.57 lb/day. The meal constituted about 3 percent of the total ration.

Chemical analysis of dehydrated *E. canadensis* showed that it contains approximately the same amounts of moisture, calcium, phosphorus, nitrogen, crude fiber, and ash as alfalfa meal. It contains less protein, and its carotene content is 48 mg/lb, whereas alfalfa's is 58 mg/lb. Further analyses are being run to find out why the pigs gained weight at a greater rate when the new meal was substituted for alfalfa meal in the rations. The results of nutritional studies with poultry have not yet been tabulated. Draytford Richardson and Paul Sanford have been conducting the nutrition studies. The harvest of the plant was 12 to 14 tons (green weight) per acre every 3 mo.

## Scientists in the News

ANDRIJA STAMPAR, president of the Yugoslav Academy of Sciences and Arts, has been awarded the Léon Bernard Foundation prize and medal in "recognition of his outstanding contribution and practical achievements in the field of social medicine."

ALEXANDER SILVERMAN, emeritus professor of chemistry at the University of Pittsburgh, was presented a special striking of the Francis Clifford Phillips medal in chemistry of the university on 13 June in honor of the 50th anniversary of his full-time association with the university's chemistry department.

OSWALD TIPPO, chairman of the department of botany and dean of the Graduate College, University of Illinois, has resigned to become chairman of the department of botany, Yale University, effective 1 Sept. JOHN R. LAUGHAN, professor of farm crops at the University of Missouri, will succeed Tippo as chairman of the department of botany at Illinois.

HARRY F. HARLOW, professor of psychology at the University of Wisconsin, has been named to the George Cary Comstock research professorship. This professorship was established this year in honor of Dr. Comstock, who was the first dean of the Graduate School at the University.

The American Therapeutic Society has awarded the first Oscar B. Hunter award to JONAS E. SALK, director of the Virus Research Laboratories of the School of Medicine, University of Pittsburgh, for his outstanding contribution to preventive medicine during 1955.

CLARK W. GOULD, former research associate in the General Aniline and Film Corp. at Easton, Pa., has been appointed a research associate in the analytical chemistry unit at the General Electric Research Laboratory, Schenectady, N.Y.

RAYMOND E. KIRK, head of the department of chemistry at the Polytechnic Institute of Brooklyn since 1931, has retired from that position. He will continue his duties as dean of the Graduate School and professor of inorganic chemistry.

ROBERT CUSHMAN MURPHY, Lamont curator of birds of the American Museum of Natural History, has retired after 35 years of service. Murphy, an authority on oceanic birds, has been one of the principal figures in the development of the museum's department of birds. Under his supervision, the collection has grown to number more than 800,000 specimens.

Among his museum exhibition projects is the Whitney memorial hall of Pacific bird life. Two decades of work went into the preparation of the hall, which contains the most comprehensive habitat groups of Pacific birds to be found in any museum.

Murphy's 13 expeditions have taken him to the tropical and subantarctic Atlantic, Peru, the western Mediterranean, New Zealand and other Pacific islands, Bermuda, Venezuela, and various islands in the Caribbean. It was on the expedition to Bermuda that he rediscovered the cahow, a sea bird thought to have been extinct since the early 17th century. He was also responsible for excavating many skeletons of New Zealand moas.

Murphy has recorded some of his scientific discoveries in his books, *Bird Islands of Peru*, *Oceanic Birds of South America*, *Logbook for Grace*, and *American Land Birds*.

After he had completed his training at Brown and Columbia universities, Murphy became a curator of the Brooklyn Museum. He joined the staff of the American Museum of Natural History in 1921, and became chairman of the department of birds in 1942. Murphy, who has been named Lamont curator emeritus of birds, is a foreign fellow of the Zoological Society of London. He has been awarded the Daniel Giraud Elliot medal of the National Academy of Sciences and the Cullum medal of the American Geographical Society.

HYMAN G. RICKOVER, chief of the naval reactors branch of the division of reactor development of the U.S. Atomic Energy Commission and director of the nuclear power division of the Navy's Bureau of Ships, has been named recipient of the George Westinghouse gold medal award of the American Society of Mechanical Engineers.

The citation honors Rickover "for eminent achievement in the power field of mechanical engineering as exemplified by the successful completion of the submarine *U.S.S. Nautilus*, in which by his foresight, determination, and leadership, the idea of nuclear power generation was transformed from speculation to reality."

S. A. BEATTY, director of Canada's Atlantic Fisheries Experimental Station at Halifax, N.S., has been given an appointment with the Food and Agriculture Organization of the United Nations in Brazil, where he will serve on a technical assistance mission of the FAO to the Government of Brazil.

Beatty's service will consist of advising and assisting the Brazilian Central Government and state governments on a program of work for their research laboratories in which problems of handling, processing, storage, and distribution of fishery products will be studied.

HARRY SOBOTKA, director of the department of chemistry at Mount Sinai Hospital, New York, and adjunct professor of organic chemistry at the Polytechnic Institute of Brooklyn, will visit the Near East in September and October. He will give a number of lectures and conferences on subjects of physical biochemistry at the University of Athens and the National Technical University of Athens, Greece, at the universities of Ankara and Istanbul, Turkey, and at the University of Jerusalem and the Weizmann Institute in Rehovoth, Israel.

WALTER BARTKY, dean of the division of the physical sciences of the University of Chicago, has been elected vice president of the university in charge of special scientific programs. Bartky will devote his attention to various contracts with governmental agencies, which have demanded an increasing share of his time in the postwar period.

TOM F. WHAYNE, who retired 30 June as chief of the preventive medicine division in the Office of the Surgeon General of the Army, has been appointed professor of public health and preventive medicine at the University of Pennsylvania. In addition to his other duties at the university, he is serving as coordinator of the program of medical education for national defense in the School of Medicine.

GEORGE V. SMITH, research metallurgist at the U.S. Steel research laboratory at Kearny, N.J., and a specialist in the properties of steels at high temperatures, has been appointed Francis Norwood Bard professor of metallurgical engineering at Cornell University.

KARL P. SCHMIDT retired from his position as chief curator of the department of zoology at Chicago Natural History Museum on 30 June. Despite his retirement, Schmidt, who now assumes the title of curator emeritus of zoology, plans to continue work at the museum on a full-time basis, devoting himself entirely to research in herpetology.

Schmidt is an alumnus of Cornell University. Prior to his appointment in Chicago in 1922, he was a member of the staff of the American Museum of Natural History in New York. He began his career at the Chicago museum as assistant curator of reptiles, became curator of amphibians and reptiles in 1937, and chief curator of zoology in 1941.

Retirement of M. W. TALBOT, associate director in charge of range management research for the California Forest and Range Experiment Station of the U.S. Forest Service, has been announced. Most of Talbot's 40 years of service has been concerned with range research for the Forest Service in the Southwest and in California.

He organized the range research program of the Forest Service in California in 1931. The program has encompassed range management, reseeding, fertilization, weed control, and restoration of browse forage on big-game ranges. His successor is E. J. WOOLFOLK, who is currently in charge of range management research at the Southeastern Forest Experiment Station, Asheville, N.C.

EDWARD P. GEBHARD, former program director on naval parts for guided missiles of the Navy's Bureau of Ordnance, has been named technical director of the defense products division of the M. W. Kellogg Co.

AUGUSTUS THORNDIKE, director of the prosthetic and sensory aids service in the department of medicine and surgery of the Veterans Administration, resigned 30 June to accept an appointment as chief surgeon to the department of hygiene of Harvard University. He was succeeded by ROBERT E. STEWART, former assistant director of the prosthetic and sensory aids service.

LEONARD A. MAYNARD of Cornell University, director of this country's first school of nutrition since its founding in 1941, retired on 30 June. An authority on animal and human nutrition, he has

also been head of the College of Agriculture's department of biochemistry and nutrition since its establishment in 1944. On 1 July he became chairman of the National Research Council's Division of Biology and Agriculture. He has been chairman of the council's Food and Nutrition Board for 4 years.

Maynard has taught and conducted research at Cornell for 40 years. One of his studies dealt with the development of a mixture of grains and protein-rich feeds as a milk substitute for calves. Another early study was concerned with fat metabolism in lactating cows. These studies were followed by others dealing with protein metabolism and lactation. He later found that rock phosphate and phosphate limestone, used as calcium supplements to animal rations, retarded necessary bone calcification because of their fluorine content. With McCay, he made a study of cod liver oil which suggested that too much of this oil in the diet destroyed vitamin E and caused experimental muscular dystrophy.

In 1954 the American Institute of Nutrition presented Maynard with the annual Osborne-Mendel award, sponsored by the Nutrition Foundation, Inc. Maynard has published some 125 papers based on original research and approximately 50 review and semipopular articles on nutrition and biochemistry. He was joint author, with E. S. Savage, of *Better Dairy Farming*, published in 1923, and author of *Animal Nutrition*, first published in 1937.

CARL I. ASLAKSON retired from the U.S. Coast and Geodetic Survey on 1 May after a career of more than 30 years. Aslakson has been concerned primarily with electronic applications in the field of geodetic surveying. His last assignment prior to retirement was technical advisor on electronic survey and geodesy at the Long-Range Proving Ground guided missile range at Cocoa, Fla.

Aslakson attended South Dakota State College and the University of Minnesota. He joined the Coast and Geodetic Survey in 1923 and specialized in field operations in geodesy, geophysics, topography, and hydrography. His duties included investigation of new methods of first-order base measurement; research in theodolite circle errors, micrometer errors, and precision alignment methods and design of instruments; design of pendulum gravity recording instruments; and cartography of weather charts and projections. He served on bureau vessels in the coastal waters of the United States, Alaska, and the Philippines, as well as in all parts of the United States.

During World War II Aslakson served in the Air Force. He worked on weather research and was concerned with maps

for air navigation over South America and in the China-Burma-India Theater.

Of recent interest is the new value suggested by Aslakson for the speed of light. This value is about 10 mi/hr greater than the value currently in use. Aslakson's value has recently been corroborated by other observers in England and Sweden.

JOSEPH W. E. HARRISON, who has been a member of the faculty of the Philadelphia College of Pharmacy and Science for 26 years, has retired. He has been appointed emeritus director of the department of pharmacology and emeritus professor of pharmacology.

JOHN C. WEAVER, head of the department of geography at the University of Minnesota, has been appointed dean of the School of Arts and Sciences at Kansas State College, effective in September.

OTTO MAASS, who retired in June from his position as Macdonald professor of physical chemistry and head of the department at McGill University, has joined the National Research Council of Canada as a principal research officer in the division of pure chemistry.

Maass attended McGill and Harvard Universities. Maass' interests cover many fields. He and his students have been concerned with calorimetric studies, investigations of the critical state, determinations of the surface energies of solids, preparation and study of the properties of hydrogen peroxide, basic properties of cellulose and cellulose systems, and fundamentals of the chemical pulping of wood.

GORDON M. MEADE, formerly executive director of the Trudeau-Saranac Institute, Saranac Lake, N. Y., has joined the staff of the Memorial Hospital Association. He has been assigned to the Washington office of the association as a clinical consultant to assist in the development of the medical program. With the opening of the Williamson Memorial Medical Center at Williamson, W. Va., early next year, Meade will become the chief of clinical services, with responsibility for coordinating medical care, teaching, and clinical investigation.

The Memorial Medical Association is constructing 10 hospitals designed primarily for beneficiaries of the United Mine Workers Welfare and Retirement Fund in the coal fields of West Virginia, Kentucky, and Virginia.

ALBERT L. TESTER, formerly professor of zoology at the University of Hawaii, has been appointed director of the U.S. Fish and Wildlife Service's Pacific Oceanic Fishery Investigations in Honolulu, T.H.

On 20 June a group of 25 physicians and surgeons from 12 nations began a 37-day tour of hospitals, research centers, universities, and U.S. Atomic Energy Commission installations in the United States. The tour is being sponsored by the Department of State, the AEC, and the leaders program of the American Council on Education as part of President Eisenhower's "Atoms for Peace" program. The group will visit Washington, D.C.; Oak Ridge, Tenn.; Chicago, Ill.; Cleveland, Ohio; Buffalo, N.Y.; Rochester, N.Y.; Boston, Mass.; and New York. Persons making the tour are as follows:

*Australia.* MARCEL S. SCHREIBER, honorary assistant surgeon, Royal Alexandra Hospital for Children, Sydney.

*Brazil.* LUIZ CARLOS DE OLIVEIRA, JR., chief, Cancer Institute, Rio de Janeiro.

*Denmark.* SVEND ELDRUP-JORGENSEN, resident, x-ray department, University Hospital of Copenhagen; LEIF B. SORESEN, physician, Kobenhavns Amtssygehus i Gentofte (Municipal Hospital).

*Egypt.* NASR SOLIMAN, cardiologist, Research Institute for Tropical Diseases, Cairo.

*England.* ANTHONY P. FLETCHER, senior registrar in medicine, St. Mary's Hospital and the Wright-Fleming Institute, London; JOHN V. GARRETT, senior registrar in pathology, St. James' Hospital, Leeds; KENNETH J. GURLING, medical chief assistant, King's College Hospital, University of London.

*France.* GEORGES OTEIFA, chef de clinique, Hopitaux de Paris.

*Italy.* MARIO BALDINI, associate professor and vice-director, Institute of Medical Pathology of the University of Siena; PAOLO BIONDETTI, associate assistant, Institute of Radiology of Ospedali Civili Riuniti, Venice; FORTUNATO TROISI, medical inspector, Ministry of Labor for the Emilia and Marche regions.

*Japan.* TAKESHI ABE, researcher, Tokyo University Hospital, and doctor and chief of the health service office, College of General Education, Tokyo University; TOMEZO FUJIWARA, professor of bacteriology, Fukushima Medical College, Fukushima; TOJU HATA, head, antibiotic division of Kitasato Institute, Tokyo; FUMIO KANDORI, professor of ophthalmology, Tottori University, Yonago; KIYOSHI KURAMOTA, clinical lecturer, Hiroshima University; TSUGUO KUWATA, assistant professor of microbiology, Chiba University School of Medicine; MICHYUKI SHIMIZU, assistant, medicine, Tokyo University Hospital.

*Philippines.* CARLOS J. MARQUEZ, roentgenologist, St. Luke's Hospital, and University Clinic, Manila; ELPIDIO I. VALENCIA, director, Manila Tumor Clinic, and member, division of cancer control, Philippine Department of Health, Manila.

*Portugal.* JORGE ROZA DE OLIVEIRA, chief of service for children's surgery, department of pediatrics, Lisbon School of Medicine.

*Spain.* EDUARDO ORTI, superior counselor, scientific research; SEVERINO PEREZ MODREGO, chief, radioisotopes service, National Institute of Cancer, Hospital Clinico, Madrid.

*Turkey.* FATMA PERIHAN CAMBEL, chief, department of pathology, Ankara-Numune Hospital, Ankara.

JOHN J. NAUGHTON, associate professor of chemistry at the University of Hawaii, has been appointed chairman of the chemistry department.

CHIN-SUNG YU, formerly director of the National Research Institute of Astronomy and of the National Observatory in Nationalist China, has been appointed director of the Williams Observatory at Hood College, Frederick, Md. More recently associated with the Harvard College Observatory at Sunspot, N.Mex., Yu succeeds LEAH B. ALLEN, who is retiring after 28 years as professor of astronomy.

LLOYD R. ZUMWALT, former director of the western division of Tracerlab, Inc., has been appointed operations vice president of the Nuclear Science and Engineering Corp., Pittsburgh, Pa.

WILLIAM S. LAUGHLIN, associate professor of anthropology at the University of Oregon, has been appointed associate professor of sociology and anthropology at the University of Wisconsin.

Laughlin is known for his participation in the excavations of ancient village sites in Oregon, mainland Alaska, and the Aleutian Islands.

Five scientists have received U.S. Department of Agriculture distinguished service awards: WILLIAM A. DAYTON, plant taxonomist, Forest Service, Washington, D.C., for research on grasses, trees, and range vegetation; GOTTHOLD STEINER, nematologist, Agriculture Research Service, Beltsville, Md., for studies of nematodes; FRANK H. STODOLA, chemist, Agricultural Research Service, Peoria, Ill., for studies of penicillin and other antibiotics; DANIEL SWERN, chemist, Agricultural Research Service, Wyndmoor, Pa., for research in the commercial uses of animal fats now in surplus; and ROBERT C. WRIGHT, plant physiologist, Agricultural Marketing Service, Beltsville, Md., for solving storage problems of fruits and vegetables.

EARL C. LORY, professor of chemistry at Montana State University since 1946, has been appointed chairman of the university's department of chemistry.

HAMILTON GRAY, professor of civil engineering at the University of Maine, has been appointed chairman of the department of civil engineering in the College of Engineering at Ohio State University, effective 1 Oct. He will succeed KENNETH W. COSENS, acting chairman, who will continue as associate professor in the department.

The following appointments to assistant professor have been announced. West Virginia University: FRANK JOSEPH SCHWARTZ, biology; ARMINE DEANE PAUL, chemistry; GEORGE AIKEN McLAREN, agriculture. Brandeis University: RICHARD M. HELD, psychology. State University of New York: ADRIAN KANTROWITZ, surgery. University of Michigan: JAMES G. WENDEL, mathematics; WILLIAM MIRSKY, mechanical engineering; ROBERT H. EATON, mechanical engineering.

### Grants, Fellowships, and Awards

■ The Ford Foundation has announced that it will offer fellowships for the academic year 1956-57 for study and research on foreign areas. The fellowships are available to persons under 40 years of age for graduate or postdoctoral work in the social sciences or humanities that pertains to Africa, Asia, the Near East, the Soviet Union, or Eastern Europe. Study and research may be undertaken in the United States or abroad beginning as early as the summer of 1956.

The purpose of the fellowship program, which is beginning its fifth year, is to help create a more adequate supply of Americans trained to deal professionally with matters regarding the selected foreign area. It is part of a broader foundation program the object of which is to increase international understanding and enable the United States to better discharge its international responsibilities. Applications will be accepted *through 15 Dec.* Details and application forms may be obtained by writing to The Ford Foundation, Foreign-Area Fellowship Programs, 477 Madison Ave., New York 22.

■ Bell Telephone Laboratories, has announced the establishment of a fellowship program through which it will grant funds for students doing graduate study in electric communications. The awards are for study of 1 or 2 years, leading to a doctorate. Each fellowship carries a grant of \$2000 to the fellow, and an additional \$2000 to cover tuition, fees, and other costs to the institution at which he chooses to study.

Recipients of the fellowships will not be required to limit their study to electrical engineering, although the field of study and research must have a bearing